

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of) **BOX PATENT APPLICATION**
)
Yoshihiro IBARAKI et al) Group Art Unit: Not Assigned
)
Application No.: Not Assigned) Examiner: Not Assigned
)
Filed: January 24, 2001)
)
For: DETECTOR AGENT FOR)
HALOGEN COMPOUNDS AND)
METHOD FOR DETECTING)
HALOGEN COMPOUNDS)

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

Prior to examination on the merits, please amend the above-identified
application as follows:

IN THE SPECIFICATION:

Please amend the specification as follows:

Page 1, line 4, delete "[Detailed Description of the Invention]" and replace
with

--BACKGROUND OF THE INVENTION--

Page 1, line 6, delete "[Field of the Invention]" and replace with
--Field of the Invention--

Page 1, line 15, delete "[Prior Arts]" and replace with

--Description of the Related Art--.

Page 2, line 9, delete "[Problems Sought for Solution by the Invention]".

Page 2, line 20, delete "[Means for Solution of the Problems]" and replace

with

--SUMMARY OF THE INVENTION--

Page 3, line 14, insert

--BRIEF DESCRIPTION OF THE FIGURE OF THE DRAWING

The Fig. of the Drawing is a front view showing one example of the apparatus used in the detecting method according to the present invention.

The Reference Numerals refer to 1 - solid treatment agent, 2 - container, 2a - inspection hole, 3 - detector agent.--

Page 3, line 15, delete "[Operational Effects]" and replace with

--DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS--.

Page 4, line 8, delete "[Embodiments of the Invention]";

Page 4, line 13, delete "(Detector agent for halogen compounds)" and replace with --Detector Agent for Halogen Compounds--.

Page 5, line 28, delete "(Method for detecting halogen compounds)" and replace with --Method for Detecting Halogen Compounds--.

Page 6, line 16, delete "Fig. 1" and replace with --the Figure of the Drawing--.

Page 7, line 17, delete "[Examples]" and replace with

--EXAMPLES--.

Page 8, line 9, delete "[Table 1]" and replace with

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--TABLE 1--.

Page 9, line 4, delete "[Table 2]" and replace with

--TABLE 2--.

Page 9, delete last line on page in its entirety.

Page 10, lines 1-6, delete these lines in their entirety.

IN THE CLAIMS:

Please amend Claims 1-5 as follows:

Claim 1, line 1, delete "contains" and replace with --comprises--.

Claim 2, line 1, delete "contains" and replace with --comprises--.

3. (Amended) A detector agent for halogen compounds as claimed in Claim 1 [, according to claim 1 or 2], in which said discoloring component is supported on granular activated alumina.

4. (Amended) A method for detecting halogen compounds, which comprises bringing a detector agent as claimed in claim 1 [according to anyone of claims 1 to 3] into contact with a gas to be detected that may contain halogen compounds, as said detector agent is disposed on a position where it can be visually observed from the outside.

5. (Amended) A method for detecting halogen compounds, which comprises visually observing from the outside a detector agent as claimed in claim 1, [according to anyone of claims 1 to 3,] disposed on the upper layer of a solid treatment agent for removing or decomposing halogen compounds, as a gas to be treated is caused for treatment to flow from the bottom side of a container filled with said solid treatment agent, whereby halogen compounds are detected to judge the deterioration of said solid treatment agent.

Please add the following new Claims 6-10:

--6. A detector agent for halogen compounds as claimed in Claim 2, in which said discoloring component is supported on granular activated alumina.

7. A method for detecting halogen compounds, which comprises bringing a detector agent as claimed in claim 2, into contact with a gas to be detected that may contain halogen compounds, as said detector agent is disposed on a position where it can be visually observed from the outside.

8. A method for detecting halogen compounds, which comprises bringing a detector agent as claimed in claim 3, into contact with a gas to be detected that may contain halogen compounds, as said detector agent is disposed on a position where it can be visually observed from the outside.

9. A method for detecting halogen compounds, which comprises visually observing from the outside a detector agent as claimed in claim 2, disposed on the upper layer of a solid treatment agent for removing or decomposing halogen compounds, as a gas to be treated is caused for treatment to flow from the bottom side of a container filled with said solid treatment agent, whereby halogen compounds are detected to judge the deterioration of said solid treatment agent.

10. A method for detecting halogen compounds, which comprises visually observing from the outside a detector agent as claimed in claim 3, disposed on the upper layer of a solid treatment agent for removing or decomposing halogen compounds, as a gas to be treated is caused for treatment to flow from the bottom side of a container filled with said solid treatment agent, whereby halogen compounds are detected to judge the deterioration of said solid treatment agent.--

REMARKS


Entry of the foregoing amendments is respectfully requested. Claims 1-5 have been amended to delete multiple dependencies. New Claims 6-10 have accordingly been added and correspond to the original claims. The specification has also been amended in order to better conform the headings to U.S. practice.

Favorable consideration of the subject application is respectfully requested.

If there are any questions concerning this paper, or the application in general,
the Examiner is invited to telephone the undersigned at his or her earliest
convenience.

Respectfully submitted,

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